MEDICAL IMAGING

CSO Customer Support Operations

Technical Documentation

Order-No.: DD+DIS002.00E

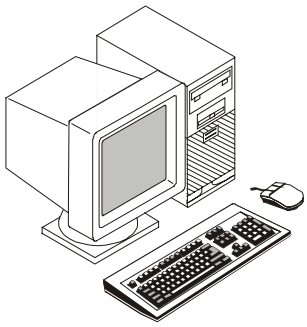
1 Piece QJQ76 MA1

ADC
System Components

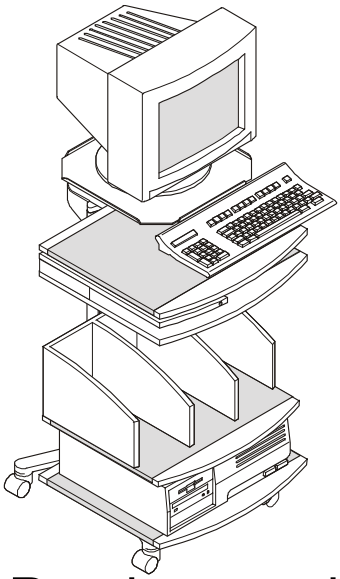
Maintenance Instructions

for the ADC System Components
- ID-and Preview Station
- Processing Station

1st Edition



Processing Station



Preview- and Identification Station

These maintenance instructions can also be ordered separately.
Order number: DD+DIS002.00E

printed in Germany

AGFA

Section 12

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Appendix: Maintenance Checklist 1

1 General Instructions

- These maintenance instructions must be considered confidential.
- The maintenance should be carried out:

  every 30000 cycles
  or **every 6 months.**

These instructions refer to the following components of the ADC System:

- **Preview- and ID Station**
- **Processing Station (incl. AGFA monitor)**

To ensure quality and functional reliability of the system, all the points listed below (minimum maintenance points) must be carried out.

- The maintenance points have been arranged in a chronologically suitable order to make the work routines as efficient as possible.
  The sequence of the maintenance points in the checklist (see appendix) is identical with these maintenance instructions.

  During the maintenance procedure always consider the safety instructions, see TECHNICAL DOCUMENTATION section 6 / 1.

- **Please check if it is necessary to include country specific regulations as additional maintenance points!**

2 Required Tools / Materials for Maintenance

This section contains information for the technician on materials and tools required for maintenance.

2.1 Required Tools

Order number	Description	Device
CM+7.8966.1239.0	Digital Luminance Meter (MAVO DIGITAL)	Monitor
commercially available	Cleaning cartridge for the DAT tape	Processing Station

2.2 Cleaning Material

In addition to the standard equipment the following cleaning substances are required:

Order number	Description	Device
CM+9.9999.9045.0	Screen cleaner	Monitor
CM+9.9999.9231.0	Plastic cleaner	ID-Station

Maintenance Points for the Preview – and ID Station

Cleaning, visual and functional check of the Preview – and ID Station

	Assembly	Action	Auxiliary equipment	Details see
1.	**ID-Tablet**	Clean the surface of the ID tablet.	Soft cloth, (Isopropanol, plastic cleaner)	
2.		Check the cassette duct for tight mounting.		
3.	**Console**	Check the console for damage.		
4.		Check all cables, cable connections for damage and loose contacts.		
5.		Check the protection of the monitor (cable ties).		Fig. **Figure 1**A
6.		Check that all protection clips exist.		Fig. **Figure 1**B
7.	**PC**	Clean the ventilation openings of the PC.	Vacuum cleaner	
8.	**PRID Station**	Check the function of the PRID Station by identifying a cassette.	Cassette	
9.	**Monitor**	Clean monitor	Screen cleaner	

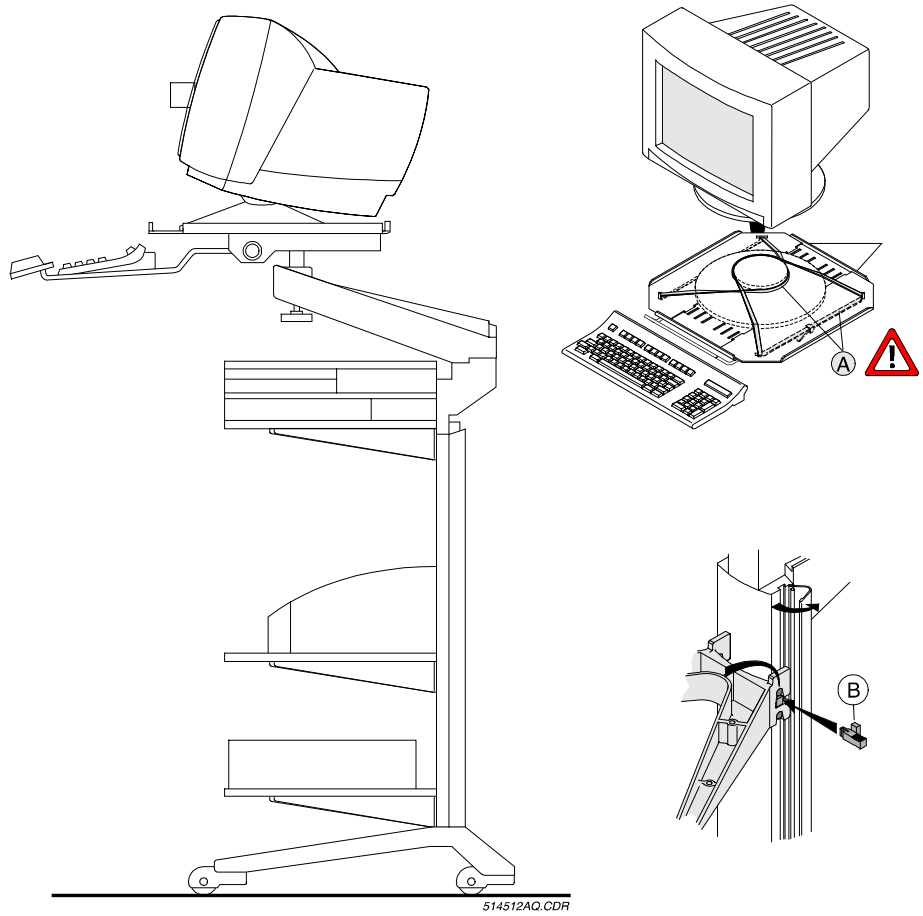
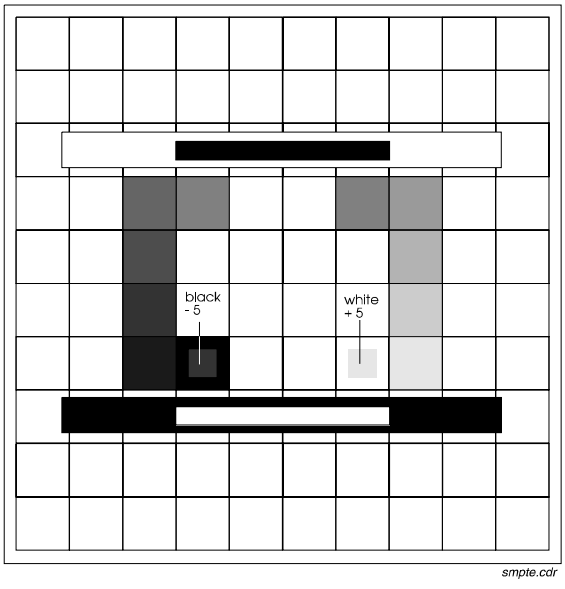


Figure 1

3 Maintenance Points for the Processing Station

Cleaning, visual and functional check

	Assembly	Action	Auxiliary equipment	Details see
1	Workstation	• Clean the ventilation openings. • Clean interior fans	Vacuum cleaner	
2	DAT tape	Clean the head.	Cleaning cartridge	
3	Machine and Periphery	Check all external cables and cable connections for damage and loose contacts.		
4	Monitor	Check calibration of the monitor	SMPTE test pattern	Sec. 6.6
		Activation of the SMPTE test pattern: • Select **<Mimosa Maintenance Menu>** **2 <Install>** **4 <Monitor>** **1 <SMPTE>** • The test pattern appears.		
			**Check:** • **Brightness - Contrast:** The small squares of the test image (black - 5%, white +5%) must still be visible. • **Linearity:** The lines must be straight throughout the entire area. • **Aspect ratio:** The squares must be perfectly square.	
		If an image error was detected, talk to the radiologist to decide the recalibration of the monitor. Recalibrate the monitor see section 6.6 **or** contact the responsible Application Specialist.	Luminance meter	Sec. 6.6

ADC
System Components

Operating procedure for order no.

System components to be inspected:

- ❑ ID / PRID - Station SN ..... SN..... SN .....
- ❑ Preview Station SN .....
- ❑ Processing Station SN .....

Maintenance must be carried out in compliance with the maintenance instructions (section 12).
Maintenance should be carried out *every 6 months or every 30000 cassette cycles!*

	Range	Test Point - Maintenance Point	OK	not OK
1.	Complete System	Talk to the operators about possible problems. Talk to the physician in charge about the image processing parameters in the various menus.		
2.	PRID Station - ID Tablet	Clean the surface of the ID tablet.		
3.	PRID Station - ID Tablet	Check the cassette duct for tight mounting.		
4.	Console	Check the console for damage.		
5.	Console	Check all cables and cable connections for damage and loose contacts.		
6.	Console	Check that all protection clips of the tables are present.		
7.	Console	Check the protection (cable ties) of the monitor.		
8.	ID-PRID-Preview Station	Clean the PC (ventilation openings).		
9.	PRID Station	Check the function of the PRID Station by identifying a cassette.		
10.	Monitor	Clean the monitor.		
11.	(V)DIPS - Workstation	Clean the ventilation openings of the Workstation. Clean the interior fans.		
12.	DAT tape	Clean the head with a cleaning cartridge.		
13.	Workstation and Periphery	Check all external cables and cable connections for damage and loose contacts.		
14.	Monitor	Check calibration of the monitor by means of a SMPTE test pattern. If an image error was detected, talk to the radiologist to decide the recalibration of the monitor. Recalibrate the monitor or contact the responible Application Specialist.		
15.	Maintenance completion	At the end of the maintenance, hand the maintenance checklist over to the customer and inform him about the results of the maintenance.		

Remarks:

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Date / Signature Service Technician **Customer**